BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02 Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: 1

KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 Page No.143. Item No.19.14

Premeasurement recorded on 05-10-20 to 09-10-20

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL								
	For Asphalt Road								
	3rd Main Road From 1st Cross Road (lake view lyt)								
	0.00	30.00	1	30.00	6.60	6.55	6.58	0.30	59.18	
	30.00	60.00	1	30.00	6.55	6.80	6.68	0.30	60.08	
	60.00	90.00	1	30.00	6.80	6.70	6.75	0.30	60.75	
	90.00	120.00	1	30.00	6.70	6.75	6.73	0.30	60.53	
	120.00	122.00	1	2.00	6.60	6.70	6.65	0.30	3.99	
	122.00	128.50	1	6.50						road gap
	122.00	152.00	1	30.00	6.50	6.35	6.43	0.30	57.83	
	152.00	182.00	1	30.00	6.35	6.35	6.35	0.30	57.15	
	182.00	212.00	1	30.00	6.35	6.20	6.28	0.30	56.48	
	212.00	242.00	1	30.00	6.20	6.00	6.10	0.30	54.90	
	242.00	258.30	1	16.30	6.00	6.20	6.10	0.30	29.83	
	4th Cross Road From 2nd Main Road (lake view lyt)								
	0.00	30.00	1	30.00	6.30	6.25	6.28	0.30	56.48	

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	30.00	60.00	1	30.00	6.25	6.30	6.28	0.35	65.89	
	60.00	83.40	1	23.40	6.30	6.20	6.25	0.30	43.88	
	1st A Main road from 1st cross road (lake view lyt)									
	0.00	30.70	1	30.70	4.70	4.90	4.80	0.30	44.21	
	6th A Cross Road From 2nd Main Road (lake view lyt)									
	0.00	14.90	1	14.90	5.20	5.10	5.15	0.30	23.02	
								Present Qty	**734.16**	**Cum**
								Qty Paid in 1st Bill	**4101.95**	**Cum**
								Total Qty	**4836.11**	**Cum**
								Deduct Qty Paid in 1st Bill	**4101.95**	**Cum**
								Qty to be Paid	**734.16**	**Cum**

Contractor Representative

NEWZEN CONSULTANT Bangalore

Consultant Representative

Asst Engineer

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02. Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: 2

Item Name: KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1 (a) I 2.3.5 page no 6

Premeasurement recorded on: 04-09-20 to 09-09-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL									
	Drains									
	7th A cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	30.00	35.60	1	5.60	0.90	0.90	0.90	0.75	3.78	
	7th A cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.80	0.80	0.80	0.75	18.00	
	30.00	35.60	1	5.60	0.80	0.80	0.80	0.75	3.36	
	7th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	60.00	80.00	1	20.00	0.90	0.90	0.90	0.75	13.50	
	7th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	60.00	80.00	1	20.00	0.90	0.90	0.90	0.75	13.50	
	3rd main road From7th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	3rd main road From7th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.75	20.25	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.75	20.25	

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
							Qty Paid in 1st Bill	4750.57	Cum
							Total Qty	5505.82	Cum
							Deduct Qty Paid in 1st Bill	4750.57	Cum
							Qty to be Paid	755.26	Cum

Contractor Representative

NEWZEN CONSULTANT Bangalore

Consultant Representative

Asst Engineer

Asst. Executive Engineer
KBMP
Asst Executive Engineer
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02. Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: 3

Item Name: KSRB 4-1.7 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No.13 Item No.4.7

Premeasurement recorded on: 08-09-20 to 14-09-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL									
	Drains									
	7th A cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	35.60	1	5.60	0.90	0.90	0.90	0.15	0.76	
	7th A cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.80	0.80	0.80	0.15	3.60	
	30.00	35.60	1	5.60	0.80	0.80	0.80	0.15	0.67	
	7th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	60.00	80.00	1	20.00	0.90	0.90	0.90	0.15	2.70	
	7th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	60.00	80.00	1	20.00	0.90	0.90	0.90	0.15	2.70	
	3rd main road From7th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	3rd main road From7th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	

Land Mark		No	L (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
30.00	60.00	1	30.00	0.80	0.80	0.80	0.15	3.60	
60.00	62.50	1	2.50	0.80	0.80	0.80	0.15	0.30	
main road kurlappa layout RHS									
0.00	30.00	1	30.00	0.80	0.80	0.80	0.15	3.60	
30.00	58.00	1	28.00	0.80	0.80	0.80	0.15	3.36	
For Culvert									
7th A cross road Kurlappa layout									
0.00	5.00	1	5.00	1.80	1.80	1.80	0.15	1.35	
7th cross road Kurlappa layout									
0.00	5.00	1	5.00	1.80	1.80	1.80	0.15	1.35	
2nd main road From7th cross road Kurlappa layout									
0.00	5.00	2	5.00	1.80	1.80	1.80	0.15	2.70	
8th cross road Kurlappa layout									
0.00	5.00	1	5.00	1.80	1.80	1.80	0.15	1.35	
8th A cross road Kurlappa layout									
0.00	5.00	1	5.00	1.80	1.80	1.80	0.15	1.35	
9th cross road Kurlappa layout									
0.00	5.00	1	5.00	1.80	1.80	1.80	0.15	1.35	
Chamber									
0.00	0.00	4	1.80	1.80	1.80	1.50	0.175	1.89	
							Present Qty	**131.89**	**Cum**
							Qty Paid in 1st Bill	**796.82**	**Cum**
							Total Qty	**928.71**	**Cum**
							Deduct Qty Paid in 1st Bill	**796.82**	**Cum**
							Qty to be Paid	**131.89**	**Cum**

Contractor Representative

NEWZEN CONSULTANTS Bangalore

Consultant Representative

Asst Engineer

Asst. Executive Engineer

Asst. Executive Engineer
BBMP
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02 Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: 4

Item Name: Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Page No.270. Item No.37.59.1

Premeasurement recorded on 18-09-20 to 12-10-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL									
	Drains									
	For raft concrete									
	7th A cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	35.60	1	5.60	0.75	0.75	0.75	0.15	0.63	
	7th A cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	35.60	1	5.60	0.75	0.75	0.75	0.15	0.63	
	7th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	60.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	60.00	80.00	1	20.00	0.75	0.75	0.75	0.15	2.25	
	7th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	60.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	60.00	80.00	1	20.00	0.75	0.75	0.75	0.15	2.25	
	3rd main road From7th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	60.00	1	30.00	0.75	0.75	0.75	0.15	3.38	

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	60.00	90.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	3rd main road From7th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	60.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	60.00	90.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	2nd main road From7th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	42.00	1	12.00	0.75	0.75	0.75	0.15	1.35	
	42.00	47.00	1	5.00	0.75	0.75	0.75	0.15	0.56	
	47.00	77.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	77.00	87.00	1	10.00	0.75	0.75	0.75	0.15	1.13	
	2nd main road From7th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	42.00	1	12.00	0.75	0.75	0.75	0.15	1.35	
	42.00	47.00	1	5.00	0.75	0.75	0.75	0.15	0.56	
	47.00	77.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	77.00	87.00	1	10.00	0.75	0.75	0.75	0.15	1.13	
	8th cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	42.00	1	12.00	0.75	0.75	0.75	0.15	1.35	
	8th cross road Kurlappa layout LHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	42.00	1	12.00	0.75	0.75	0.75	0.15	1.35	
	8th A cross road Kurlappa layout RHS									
	0.00	30.00	1	30.00	0.75	0.75	0.75	0.15	3.38	
	30.00	37.00	1	7.00	0.75	0.75	0.75	0.15	0.79	
	8th A cross road Kurlappa layout LHS									
	0.00	27.00	1	27.00	0.75	0.75	0.75	0.15	3.04	
	9th cross road Kurlappa layout LHS									
	0.00	23.00	1	23.00	0.75	0.75	0.75	0.15	2.59	
	9th cross road Kurlappa layout RHS								0.00	

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	8th cross road Kurlappa layout									
	0.00	5.00	2	5.00	0.23	0.23	0.23	0.45	1.04	
	8th A cross road Kurlappa layout									
	0.00	5.00	2	5.00	0.23	0.23	0.23	0.45	1.04	
	9th cross road Kurlappa layout									
	0.00	5.00	2	5.00	0.23	0.23	0.23	0.45	1.04	
	Chamber									
	0.00	0.00	16	1.50	0.23	0.23	0.23	0.85	4.69	
	Coping on wall									
	main road kurlappa layout (drain desilt) RHS									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	90.00	107.00	2	17.00	0.15	0.15	0.15	0.10	0.51	
	main road kurlappa layout (drain desilt) LHS									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	90.00	107.00	2	17.00	0.15	0.15	0.15	0.10	0.51	
								Present Qty	**265.00**	**Cum**
								Qty Paid in 1st Bill	**1685.96**	**Cum**
								Total Qty	**1950.96**	**Cum**
								Deduct Qty Paid in 1st Bill	**1685.96**	**Cum**
								Qty to be Paid	**265.00**	**Cum**

Contractor Representative

Asst Engineer

NEWZEN CONSULTANT Bangalore

Consultant Representative

Asst Executive Engineer

Asst. Executive Engineer
BBMP
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02. Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: 5

Item Name: KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19

Premeasurement recorded on: 15-09-20 to 03-10-20

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL								
	For Drains								
	7th A cross road Kurlappa layout RHS								
1	10	1.00	125mmc/c	285.00	1.60	456.00	Main Bar	0.617	281.35
2	8	1.00	150mmc/c	11.00	35.60	391.60	Distribution bar	0.395	154.68
	7th A cross road Kurlappa layout LHS								
1	10	1.00	125mmc/c	285.00	1.60	456.00	Main Bar	0.617	281.35
2	8	1.00	150mmc/c	11.00	35.60	391.60	Distribution bar	0.395	154.68
	7th cross road Kurlappa layout LHS								
1	10	1.00	125mmc/c	640.00	1.60	1024.00	Main Bar	0.617	631.81
2	8	1.00	150mmc/c	11.00	80.00	880.00	Distribution bar	0.395	347.60
	7th cross road Kurlappa layout RHS								
1	10	1.00	125mmc/c	640.00	1.60	1024.00	Main Bar	0.617	631.81
2	8	1.00	150mmc/c	11.00	80.00	880.00	Distribution bar	0.395	347.60
	3rd main road From7th cross road Kurlappa layout RHS								
1	10	1.00	125mmc/c	720.00	1.60	1152.00	Main Bar	0.617	710.78
2	8	1.00	150mmc/c	11.00	90.00	990.00	Distribution bar	0.395	391.05
	3rd main road From7th cross road Kurlappa layout LHS								
1	10	1.00	125mmc/c	720.00	1.60	1152.00	Main Bar	0.617	710.78
2	8	1.00	150mmc/c	11.00	90.00	990.00	Distribution bar	0.395	391.05

LNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
1	10	1.00	150mmc/c	747.00	5.05	3772.35	Main Bar	0.617	2327.54	
2	8	1.00	200mmc/c	26.00	112.00	2912.00	Distribution bar	0.395	1150.24	
									24461.03	Kgs
								Present Qty	24.46	Tonne
								Qty Paid in 1st Bill	105.52	Tonne
								Total Qty	129.98	Tonne
								Deduct Qty Paid in 1st Bill	105.52	Tonne
								Qty to be Paid	24.46	Tonne

Contractor Representative

NEWZEN CONSULTANTS Bangalore

Consultant Representative

Asst Engineer

Asst Executive Engineer

Asst. Executive Engineer
BBMP
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02. Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No:	10
Item Name:	KSRRB M600-1. Construction of dry lean cement concrete mix CC 1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 of MORTH

Premeasurement recorded on: 14-10-20 to 16-10-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Kurlappa Layout									
	7th A cross road Kurlappa layout									
	0.00	30.00	1	30.00	5.60	4.80	5.20	0.15	23.40	
	30.00	35.60	1	5.60	4.80	4.70	4.75	0.15	3.99	
	7th cross road Kurlappa layout									
	0.00	30.00	1	30.00	4.00	4.80	4.40	0.15	19.80	
	30.00	60.00	1	30.00	4.80	4.90	4.85	0.15	21.83	
	60.00	80.00	1	20.00	4.90	5.30	5.10	0.15	15.30	
	8th cross road Kurlappa layout									
	0.00	30.00	1	30.00	4.70	4.00	4.35	0.15	19.58	
	30.00	42.00	1	12.00	4.00	3.60	3.80	0.15	6.84	
	8th A cross road Kurlappa layout									
	0.00	30.00	1	30.00	4.70	4.20	4.45	0.15	20.03	
	30.00	37.00	1	7.00	4.20	4.00	4.10	0.15	4.31	
	9th cross road Kurlappa layout									
	0.00	23.00	1	23.00	4.00	4.50	4.25	0.15	14.66	
	9th A cross road Kurlappa layout									
	0.00	30.00	1	30.00	4.80	5.00	4.90	0.15	22.05	
	30.00	42.30	1	12.30	5.00	4.80	4.90	0.15	9.04	
	main road kurlappa layout									
	0.00	30.00	1	30.00	5.20	5.10	5.15	0.15	23.18	
	30.00	60.00	1	30.00	5.10	5.20	5.15	0.15	23.18	

CRC	60.00	90.00	1	30.00	5.20	5.10	5.15	0.15	23.18	
	90.00	112.00	1	22.00	5.10	5.10	5.10	0.15	16.83	
								Present Qty	**267.17**	**Cum**
								Qty Paid in 1st Bill	**267.13**	**Cum**
								Total Qty	**534.30**	**Cum**
								Deduct Qty Paid in 1st Bill	**267.13**	**Cum**
								Qty to be Paid	**267.17**	**Cum**

Contractor Representative

NEWZEN CONSULTANT Bangalore

Consultant Representative

Asst Engineer

Asst Executive Engineer
BBMP
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02. Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: **12**

Item Name: Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method byrotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. Page No.153. Item No.20.6

Premeasurement recorded on: 07-10-20 to 14-10-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL									
	2nd Main Road From 1st Cross Road (lake view lyt)									
	0.00	30.00	1	30.00	6.90	6.60	6.75	0.175	35.44	
	30.00	60.00	1	30.00	6.60	6.50	6.55	0.175	34.39	
	60.00	90.00	1	30.00	6.60	6.40	6.50	0.175	34.13	
	90.00	120.00	1	30.00	6.40	6.60	6.50	0.175	34.13	
C&FC	120.00	136.00	1	16.00	6.60	7.00	6.80	0.175	19.04	
	136.00	142.40	1	6.40						cross road
	142.40	172.40	1	30.00	6.80	6.70	6.75	0.175	35.44	
	172.40	202.40	1	30.00	6.70	7.00	6.85	0.175	35.96	
	202.40	232.40	1	30.00	7.00	7.00	7.00	0.175	36.75	
	232.40	262.40	1	30.00	7.00	7.10	7.05	0.175	37.01	
	262.40	292.40	1	30.00	7.10	7.00	7.05	0.175	37.01	
	292.40	322.40	1	30.00	7.00	6.60	6.80	0.175	35.70	
	322.40	352.40	1	30.00	6.60	7.00	6.80	0.175	35.70	
	352.40	382.40	1	30.00	7.00	6.80	6.90	0.175	36.23	

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Improvements to Roads, drains and othar developmental works in ward No-01 & 02. Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: **13**

Item Name: KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. Page No. 155. Item No.20.18

Premeasurement recorded on: 15-10-20 to 05-11-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL									
	1st Main Road From 1st Cross Road (lake view lyt)									
	0.00	30.00	1	30.00	4.90	4.90	4.90	0.23	33.81	
	30.00	60.00	1	30.00	4.90	4.80	4.85	0.23	33.47	
	60.00	90.00	1	30.00	4.80	4.80	4.80	0.23	33.12	
	90.00	120.00	1	30.00	4.80	4.70	4.75	0.23	32.78	
	120.00	135.70	1	15.70	4.70	4.70	4.70	0.23	16.97	
	2nd Cross Road From 1st Main Road (lake view lyt)									
	0.00	30.00	1	30.00	5.10	4.90	5.00	0.23	34.50	
	30.00	60.00	1	30.00	4.90	5.00	4.95	0.23	34.16	
	60.00	90.00	1	30.00	5.00	5.10	5.05	0.23	34.85	
	90.00	120.00	1	30.00	5.10	4.90	5.00	0.23	34.50	
	120.00	134.40	1	14.40	4.90	5.00	4.95	0.23	16.39	
	2nd Main Road From 1st Cross Road (lake view lyt)									
	0.00	30.00	1	30.00	6.70	6.70	6.70	0.23	46.23	
	30.00	60.00	1	30.00	6.70	6.50	6.60	0.23	45.54	
	60.00	90.00	1	30.00	6.50	6.60	6.55	0.23	45.20	
	90.00	120.00	1	30.00	6.60	6.60	6.60	0.23	45.54	
	120.00	136.00	1	16.00	6.60	7.00	6.80	0.23	25.02	

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	6th A Cross Road From 2nd Main Road (lake view lyt)									
	0.00	14.90	1	14.90	5.20	5.10	5.15	0.23	17.65	
								Present Qty	2127.38	Cum
								Qty Paid in 1st Bill	1665.20	Cum
								Total Qty	3792.58	Cum
								Deduct Qty Paid in 1st Bill	1665.20	Cum
								Qty to be Paid	2127.38	Cum
								Upto 125%	418.68	Cum
								Above 125%	1708.70	Cum

Contractor Representative

Consultant Representative

NIWZEN CONSULTANTS Bangalore

Asst Engineer

Asst. Executive Engineer
Asst.Executive Engineer
BWSSB
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02. Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No:	16
Item Name:	KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. MORTH Specification No. 507. Using 100/120 TPH capacity HMP with sensor paver Gr-II (50 mm to 75mm) with 4.5% VG-30 Bitumen. Page No.160. Item No.21.17.2

Premeasurement recorded on: 05-11-20 to 13-11-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2ND BILL									
	1st Main Road From 1st Cross Road (lake view lyt)									
	0.00	30.00	1	30.00	4.90	4.90	4.90	0.05	7.35	
	30.00	60.00	1	30.00	4.90	4.80	4.85	0.05	7.28	
	60.00	90.00	1	30.00	4.80	4.80	4.80	0.05	7.20	
	90.00	120.00	1	30.00	4.80	4.70	4.75	0.05	7.13	
	120.00	135.70	1	15.70	4.70	4.70	4.70	0.05	3.69	
	2nd Cross Road From 1st Main Road (lake view lyt)									
	0.00	30.00	1	30.00	5.10	4.90	5.00	0.05	7.50	
	30.00	60.00	1	30.00	4.90	5.00	4.95	0.05	7.43	
	60.00	90.00	1	30.00	5.00	5.10	5.05	0.05	7.58	
	90.00	120.00	1	30.00	5.10	4.90	5.00	0.05	7.50	
	120.00	134.40	1	14.40	4.90	5.00	4.95	0.05	3.56	
	2nd Main Road From 1st Cross Road (lake view lyt)									
	0.00	30.00	1	30.00	6.70	6.70	6.70	0.05	10.05	
	30.00	60.00	1	30.00	6.70	6.50	6.60	0.05	9.90	
	60.00	90.00	1	30.00	6.50	6.60	6.55	0.05	9.83	
	90.00	120.00	1	30.00	6.60	6.60	6.60	0.05	9.90	
	120.00	136.00	1	16.00	6.60	7.00	6.80	0.05	5.44	

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	0.00	14.90	1	14.90	5.20	5.20	5.20		77.48	
								Present Qty	**9249.39**	**Sqm**
								Qty Paid in 1st Bill	**16758.50**	**Sqm**
								Total Qty	**26007.88**	**Sqm**
								Deduct Qty Paid in 1st Bill	**16758.50**	**Sqm**
								Qty to be Paid	**9249.39**	**Sqm**

Contractor Representative

NEMZEN CONSULTANT

Consultant Representative

Asst Engineer

Asst. Executive Engineer
BBMP
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02 Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: 11

Item Name: Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to 18.383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and

Measurement recorded on: 20-11-20

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	Kurlappa Layout											
	7th A cross road Kurlappa layout											
	0.00	30.00	1	30.00	5.60	4.80	5.20	0.15	23.40			
	30.00	35.60	1	5.60	4.80	4.70	4.75	0.15	3.99			
	7th cross road Kurlappa layout											
	0.00	30.00	1	30.00	4.00	4.80	4.40	0.15	19.80			
	30.00	60.00	1	30.00	4.80	4.90	4.85	0.15	21.83			
	60.00	80.00	1	20.00	4.90	5.30	5.10	0.15	15.30			
	8th cross road Kurlappa layout											
	0.00	30.00	1	30.00	4.70	4.00	4.35	0.15	19.58			
	30.00	42.00	1	12.00	4.00	3.60	3.80	0.15	6.84			
	8th A cross road Kurlappa layout											
	0.00	30.00	1	30.00	4.70	4.20	4.45	0.15	20.03			
	30.00	37.00	1	7.00	4.20	4.00	4.10	0.15	4.31			
	9th cross road Kurlappa layout											
	0.00	23.00	1	23.00	4.00	4.50	4.25	0.15	14.66			
	9th A cross road Kurlappa layout											
	0.00	30.00	1	30.00	4.80	5.00	4.90	0.15	22.05			
	30.00	42.30	1	12.30	5.00	4.80	4.90	0.15	9.04			
	main road kurlappa layout											
	0.00	30.00	1	30.00	5.20	5.10	5.15	0.15	23.18			
	30.00	60.00	1	30.00	5.10	5.20	5.15	0.15	23.18			

20/11/2020

	60.00	90.00	1	30.00	5.20	5.10	5.15	0.15	23.18			
	90.00	112.00	1	22.00	5.10	5.10	5.10	0.15	16.83			
									Present Qty	**267.17**	**Cum**	
									Qty Paid in 1st Bill	**261.13**	**Cum**	
									Total Qty	**528.30**	**Cum**	
									Deduct Qty Paid in 1st Bill	**261.13**	**Cum**	
									Qty to be Paid	**267.17**	**Cum**	**5471.51**	**1461812.38**

Contractor Representative

NEWZEN CONSULTANT Bangalore

Consultant Representative

Asst Engineer

Asst Executive Engineer

Asst. Executive Engineer
BBMP
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-01 & 02 Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No: E1

Item Name: Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer

Measurement recorded on: 30-11-20

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	2ND BILL										
	Govt Hospital Road from Signal to BBMP office										
			4.00	120.00				480.00			
								480.00	**Nos**		
	Present Qty										
	Qty Paid in 1st Bill							**0.00**	**Nos**		
	Total Qty							**480.00**	**Nos**		
	Deduct Qty Paid in 1st Bill							**0.00**	**Nos**		
	Qty to be Paid							**480.00**	**Nos**	**357.22**	**171465.60**

Contractor Representative

Consultant Representative

NEWZEN CONSULTANT Bangalore

Asst Engineer

Asst Executive Engineer
BBMP
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Improvements to Roads, drains and othar developmental works in ward No-01 & 02 Under SWM head in Chief Minister Nava Nagarothan Grands of Yalahanka divison. (Package - 07)

Measurement Sheet

Second and Final Bill

Item No:	22						
Item Name:	for Rain water harvesting work including 40mm jelly, 20mm jelly coarse sand, fine sand, 12.50 mm chips as per data rates						
	Vide Premeasurement page no.	12.00					
	Qty to be Paid	12.00	Nos	21926.10	263113.20		
Item No:	E2						
Item Name:	KSRRB M 300-53. Construction of Embankment with approved materials gravel/murrum with all lift , transporting to site, spreading grading to required slope and compacting to meet requirement Table 300-2 complete as per specification , including cost of gravel/ murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No.305,I No.-19.60,P.No - 147						
	Vide Premeasurement page no.	526.69					
	Qty to be Paid	526.69	Cum	344.50	181443.33		
				Net Amount	25002420.77		
				Add 12% GST	3000290.49		
				Grand Total Amount	28002711.26		

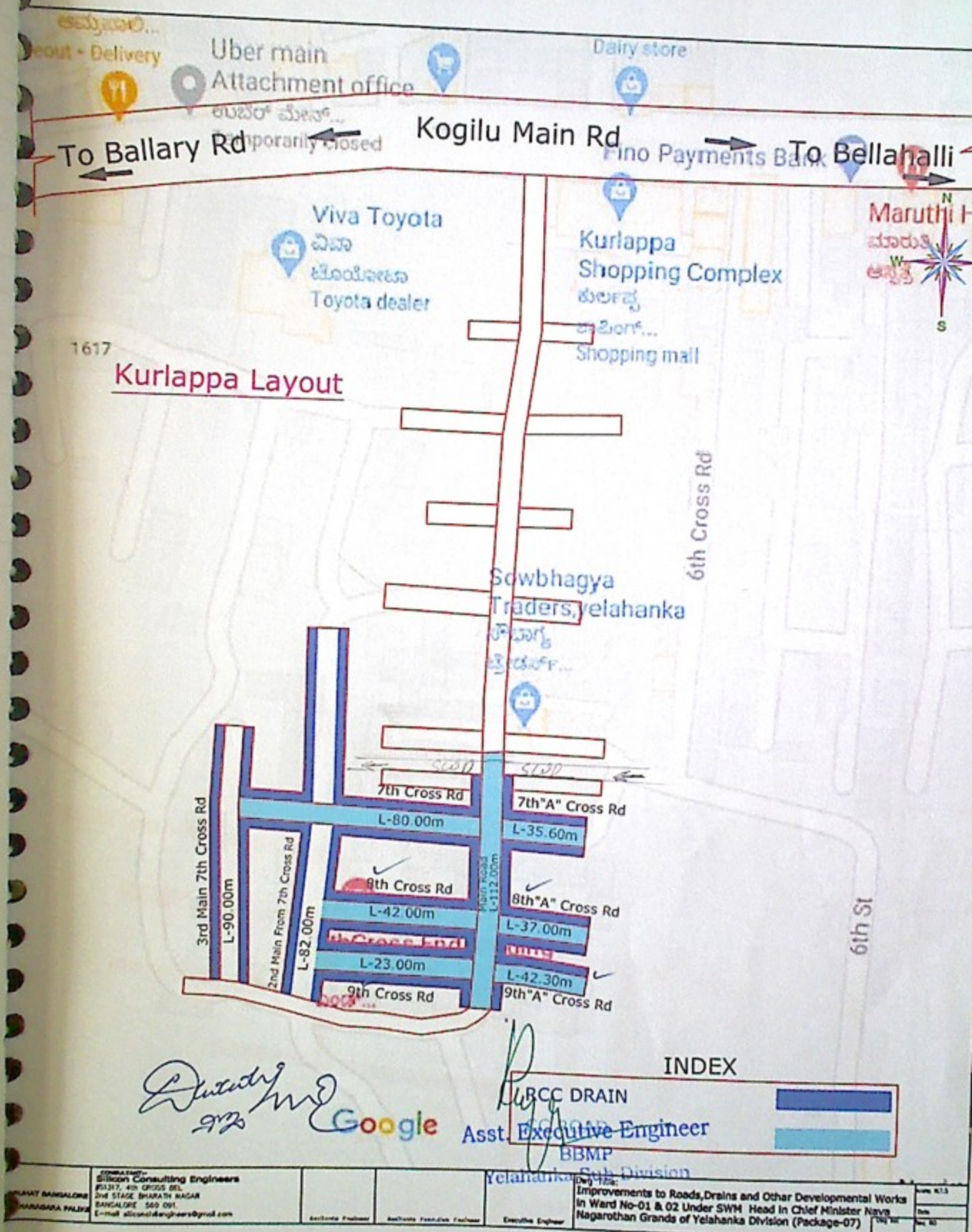
Contractor Representative

Consultant Representative

NEWZEN CONSULTANT Bangalore

Asst Engineer

Asst. Executive Engineer
BBMP
Yelahanka Sub Division

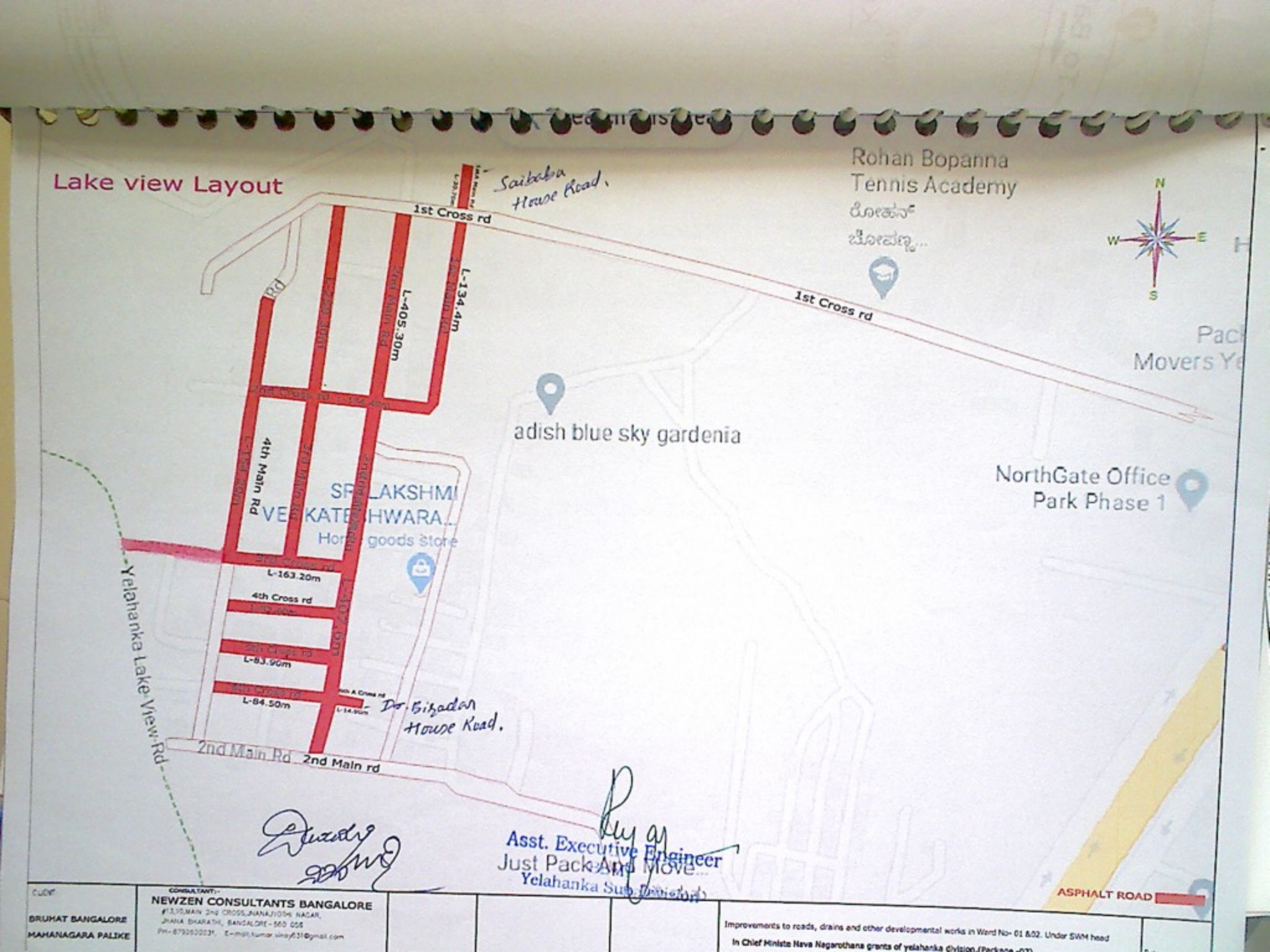


Asst. Executive Engineer
BBMP
Yelahanka Sub Division

Silicon Consulting Engineers
#5/317, 4th CROSS BEL
2nd STAGE BHARATH NAGAR
BANGALORE 560 091.

Executive Engineer

Improvements to Roads,Drains and Othar Developmental Works in Ward No-01 & 02 Under SWM Head In Chief Minister Nava Nagarothan Granda of Yelahanka Division (Package-07)


Lake view Layout
Saibaba House Road.
1st Cross rd
Rohan Bopanna Tennis Academy
1st Cross rd
adish blue sky gardenia
NorthGate Office Park Phase 1
4th Main Rd
L-405.30m
L-134.4m
L-163.20m
4th Cross rd
L-83.90m
L-84.50m
Dr. Bizadan House Road.
Yelahanka Lake View Rd
2nd Main Rd
2nd Main rd
Asst. Executive Engineer
Yelahanka Sub Division
ASPHALT ROAD
CLIENT
BRUHAT BANGALORE MAHANAGARA PALIKE
CONSULTANT:-
NEWZEN CONSULTANTS BANGALORE
Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head
In Chief Hinista Nava Nagarothana grants of yelahanka division.(Package -07)